Abstract

A system for implementing time stamp related features in a real time stamp distribution system is discussed. The distribution system derives a real time stamp (RTS) at a master timekeeping network element and distributes the RTS to associated network elements by way of a number of distribution techniques. Under certain network conditions, the real time stamp may not reach one or more of the network elements at the valid real time. In the present system, the network elements are able to derive a local time based on timing information recorded at the network element. Thus the system can detect an error in the time stamp delivered to a network element and can correct the time stamp utilizing a local time stamp feature.

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